

Claims

What is claimed is:

5 1. Method in a wireless data communication network (10) for transferring content(19.1) to terminal equipment (11), in which method content (19.1) arranged for a server (12) located in the data communication network (10) is transferred as data transfer through the data communication network (10) to the
10 terminal equipment (11) for browsing in a browser session, and wherein at least a part of the content (19.1*) is associated with at least one special identifier (ST1), used for indicating the special character of the content (19.1*) in question in order to manage it in an established manner,
15 characterised in that at least a part of the said content (19.1*) provided with identifier (ST1) is transferred to the terminal equipment (11) as background processing essentially without affecting the data transfer of the terminal equipment's (11) browser session proper.

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2. Method according to claim 1, characterised in that the data transfer performed as background processing takes place essentially in its own connection context in such a way that it is carried out over a channel (22) of its own and
25 separately from the data transfer proper of the browser session.

3. Method according to claim 1 or 2, characterised in that there are two or more of the said identifiers (ST1, ST2),
30 which identifiers (ST1, ST2) are used for indicating, for example, management steps to be taken with the content (19.1*) and/or a licence procedure pertaining to their management.

4. Method according to claim 2, characterised in that
35 the said content (19.1*) provided with an identifier (ST1,

ST2) is transferred to the terminal equipment (11) by a functionality (12, 13) arranged in the data communication network (10).

5 5. Method according to claim 2, characterised in that the said content (19.1*) provided with an identifier (ST1, ST2) is transferred to the terminal equipment (11) by the terminal equipment (11) and/or its user.

10 6. Method according to claim 1, characterised in that the content (19.1*) provided with an identifier (ST1, ST2) is determined according to the file size of the content (19.1*).

7. Method according to claim 6, characterised in that
15 the content (19.1*) provided with an identifier (ST1, ST2) may include, for example, resource data.

8. Method according to claim 1, characterised in that in the method
20 - the existence is identified of content (19.1*) stored in the terminal equipment (11) and provided with a special identifier (ST1, ST2),
- the need for updating of the said content (19.1*) is determined, and
25 - if the condition criterion established for the said need for updating is fulfilled, the said content (19.1*) is transferred from the server (12) to the terminal equipment (11).

30 9. Method according to claim 1, characterised in that, in addition, the said terminal equipment (11) is identified in the method.

10. Method according to claim 1, characterised in that in
35 the method

- in the content (19.1*) requested by the terminal equipment (11) at least one content element is identified, which is provided with the said special identifier (ST1, ST2) and which may be, for example, a link reference and/or any resource file connected thereto, and
- essentially based on the said identification, the said content (19.1*) is transferred to the terminal equipment (11).

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11. Method according to claim 1, characterised in that at least a part of the content (19.1*) provided with the said identifier (ST1, ST2) is transferred encrypted.

15 12. Method according to claim 1, characterised in that at least a part of the content (19.1*) provided with the said identifier (ST1, ST2) is transferred compressed.

13. Method according to claim 2, characterised in that in 20 the said background processing a specific QoS (Quality of Service) is requested of the data communication network (10).

14. Method according to claim 2, characterised in that the said data transfer performed as background processing is 25 given priority into connection with the other functions of the terminal equipment (11).

15. System in a wireless data communication network (10) for transferring content (19.1) to terminal equipment (11), 30 wherein to the data communication network (10) are connected at least one server (12, 13) and at least one piece of terminal equipment (11) and wherein in connection with at least one server (12) content (19.1) is arranged for transfer through the data communication network (10) as data transfer 35 in a browser session to the terminal equipment (11), and which

terminal equipment (11) includes a browser functionality (14) for processing the said content (19.1) and wherein at least one special identifier (ST1) is connected to at least a part of the said content (19.1*), which identifier is adapted to indicate the special character established for the content (19.1*) in question as regards manageability to be carried out with the terminal equipment (11), characterised in that the server (12, 13) arranged in the terminal equipment (11) and/or in the data communication network (10) includes functionalities (17, 13.1), which are adapted to manage the said content (16.1*, 19.1*) provided with the special identifier (ST1) and to carry out at least a part of the data transfer relating to the said content (16.1*, 19.1*) as background processing essentially without affecting the data transfer of the browser session proper of the terminal equipment (11).

16. System according to claim 15, characterised in that in the terminal equipment (11) an own data transfer channel (22) is fitted for the data transfer to be carried out as background processing, and wherein the said data transfer is adapted to be carried out essentially in its own connection context.

17. System according to claim 15, characterised in that the terminal equipment (11) and server (12, 13) include functionalities for encrypted transfer of at least a part of the content (19.1*) provided with the said identifier (ST1, ST2).

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18. System according to claim 15, characterised in that the terminal equipment (11) and server (12, 13) include functionalities for compressed transfer of at least a part of the content (19.1*) provided with the said identifier (ST1, ST2).

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19. System according to claim 15, characterised in that in connection with the terminal equipment (11) and/or the data communication network (10) there is a functionality (17, 5 13.1), which is adapted to identify at least one content reference of the content (19.1) to be transferred or intended for transfer to the terminal equipment (11), whereby of the content (19.1) defined directly or indirectly by the content reference at least a part is transferred to the terminal 10 equipment (11) in consequence of the said identification.

20. Terminal equipment (11) in a wireless data communication network (10), wherein are arranged data transfer devices (18) for carrying out data transfer in the data 15 communication network and browser devices (14) for transferring and browsing content (19.1) arranged in the data communication network (10) at the terminal equipment (11) in a browser session, and wherein at least a part of the said content (19.1*) is associated with at least one special 20 identifier (ST1) adapted to indicate the special character of the content (19.1*) in question as regards manageability of the content (19.1*) by the browser devices (14), characterised in that in the terminal equipment (11) is also arranged a browser-independent functionality (17) adapted to manage the 25 said content (19.1*) provided with a special identifier (ST1) and to carry out updating steps when the established criterion condition is fulfilled on at least a part of the said content (19.1*) provided with a special identifier (ST1) as background processing essentially without affecting the data transfer of 30 the terminal equipment's (11) browser session proper.

21. Terminal equipment according to claim 20, characterised in that in the terminal equipment (11) is fitted an own data transfer channel (22) for the data transfer 35 carried out as background processing, and wherein the said

data transfer is adapted for performance essentially in its own connection context.

22. Server (12, 13) in a wireless data communication network (10) for management of content (19) to be transferred to terminal equipment (11), wherein the data communication network (10) includes one or more servers (12, 13), of which at least for some servers (12) content (19.1) is arranged intended for the terminal equipment (11) and wherein at least a part of the said content (19.1*) is associated with at least one special identifier (ST1), which is adapted to indicate the special character of the content (19.1*) in question when it is being transferred to the terminal equipment (11), characterised in that at least one of the said servers (13) includes a functionality (17), which is adapted to manage the said content (19.1*) provided with a special identifier (ST) and upon fulfilment of a criterion condition established for the terminal equipment (11) to carry out updating steps on at least a part of the said content (19.1*) as background processing essentially without affecting the data transfer of the terminal equipment's (11) browser session proper.

23. Browser equipment (14) for browsing content (19.1) at terminal equipment (11) arranged in a wireless data communication network (10), wherein the data communication network (10) includes one or more servers (12, 13), of which for at least some of the servers (12) content (19.1) is arranged intended for the terminal equipment (11) and wherein at least a part of the said content (19.1*) is associated with at least one special identifier (ST1), which is adapted to indicate the special character of the content (19.1*) in question when it is being transferred to the terminal equipment (11), characterised in that in connection with the browser equipment (14) a functionality (17) is arranged, which is adapted to manage in an established manner the said content

(19.1*) provided with a special identifier (ST1) and when the established criterion condition is fulfilled to carry out updating steps on at least a part of the said content (19.1*) as background processing essentially without affecting the data transfer of the terminal equipment's (11) browser session proper.